



GV BOILER

Block Assembly Repair Kit

Part Number 382-200-390 for Series 1 & 2
Part Number 382-200-391 for Series 3 & 4

Replacement Instructions

WARNING

This symbol is used in these instructions to indicate presence of hazards which can cause severe personal injury, death or substantial property damage.

CAUTION

Indicates presence of hazard which will or can cause minor personal injury or property damage.

WARNING

- These instructions are for use by a qualified installer/service technician. Failure to follow all instructions in proper order can cause severe personal injury, death or substantial property damage.
- Shut off main gas valve and disconnect electricity to boiler. Failure to do so can cause severe personal injury, death or substantial property damage.
- Wait until ignitor is cooled down before proceeding. Failure to do so can cause severe personal injury or death.

Contents of Kit:

- Ignitor Replacement Kit
 - Studs, nuts, washers, adapters, flange gasket, pump/return water tubing
 - Instructions
1. Remove jacket top and front panels. Lay aside boiler insulation.
 2. Close isolation valves between boiler and system. Drain boiler.
 3. Remove:
 - All wiring connectors from control tray.
 - Control tray (if applicable).
 - External system gas and water piping from boiler.
 - Thermostat wiring.
 - External vent piping.
 - External combustion air piping, if used.
 - Vent condensate drain hose.
 - Blower assembly and burner. See "Blower Assembly or Burner Replacement Instructions," part number 550-141-608, packed with kit.
 - High limit control and well.
 - Relief valve and external piping.
 - External air vent piping.
 - Remaining outside and interior jacket panels.
 - Block temperature limit switch.
 - Circulator.
 4. Tilt block assembly onto back section to rest on 2 short pieces of 2 x 4's.

CAUTION

Section block is heavy - care must be taken in moving to avoid personal injury.

5. Remove drain valve and all other remaining piping on front section.
6. Remove vent ell and clean silicone sealant from vent ell (if applicable).
7. Remove base rail assembly from block assembly.
8. Lay back of new block assembly on 2 x 4's. Install base rail assembly to bottom of new block assembly.

9. Apply silicone sealant around vent ell and install (if applicable), securing with screw (check that condensate drain hose is securely fastened).
10. Install studs for blower housing mounting bracket and block temperature limit switch.
11. Reconnect drain valve and piping on front section. See Boiler Manual.
 - a. Do not solder water tubing until Step 13 and all piping components are doped and tightened, alignment is critical.
 - b. When re-soldering water tubing, wet elbows to prevent pipe dope shrinkage.
12. Install circulator(s), assuring proper alignment of pumps to both circulator flanges.
13. After all piping components are connected, then solder water tubing.
14. Pressure test block assembly and water tubing for leaks as described in Boiler Manual. Repair, if found.
15. Replace blower assembly and burner. See "Blower Assembly or Burner Replacement Instructions," part number 550-141-608, packed with kit.
16. Tilt block assembly back onto base rails.
17. Re-install:
 - Block temperature limit switch.
 - Jacket left, right, back and interior panels.
 - Relief valve and external piping.
 - External air vent piping.
 - High limit control and well.
 - External vent piping.
 - External combustion air piping, if used.
 - Vent condensate drain hose.
 - External system gas and water piping to boiler.
 - Control tray (if applicable).
 - All wiring connectors to control tray.
 - Thermostat wiring.
18. Fill boiler as described in Boiler Manual.
19. Turn on electric and gas to boiler. Check boiler normal sequence of operation and follow checkout procedure in Boiler Manual.
20. Replace boiler insulation and jacket front and top panels.



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